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Commercial Grade products are subject to internal qualification. Details regarding test methods and conditions are

Lead (Pb)-free, RoHS, and REACH compliant without exemptions (excluding SnPb termination finish option).

	-55°C to +125°C
	1,000 megohm microfarads or 100 GΩ

<sup>1</sup>DWV is the voltage a capacitor can withstand (survive) for a short period of time. It exceeds the nominal and continuous working voltage of the capacitor.

<sup>2</sup>Capacitance and dissipation factor (DF) measured under the following conditions:

1 MHz ±100 kHz and 1.0 Vrms ±0.2 V if capacitance ≤ 1,000 pF

1 kHz ±50 Hz and 1.0 Vrms ±0.2 V if capacitance > 1,000 pF

<sup>3</sup>To obtain IR limit, divide MΩ-μF value by the capacitance and compare to GΩ limit. Select the lower of the two limits.

Note: When measuring capacitance it is important to ensure the set voltage level is held constant. The HP4284 and Agilent E4980 have a feature known as Automatic Level Control (ALC). The ALC feature should be switched to "ON."

			Ž :
		≥ 620pF 130% of rated voltage	
		≥ 5.1nF 130% of rated voltage	
		≥ 7.5nF 130% of rated voltage	
		≥ 5.1nF 130% of rated voltage	
		≥ 12nF 130% of rated voltage	
≥1825			





\*Capacitance range Includes E24 decade values only. (i.e., 10, 11, 12, 13, 15, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 43, 47, 51, 56, 62, 68, 75, 82, and 91)  
KEMET reserves the right to substitute product with an improved temperature characteristic, tighter capacitance tolerance and/or higher voltage

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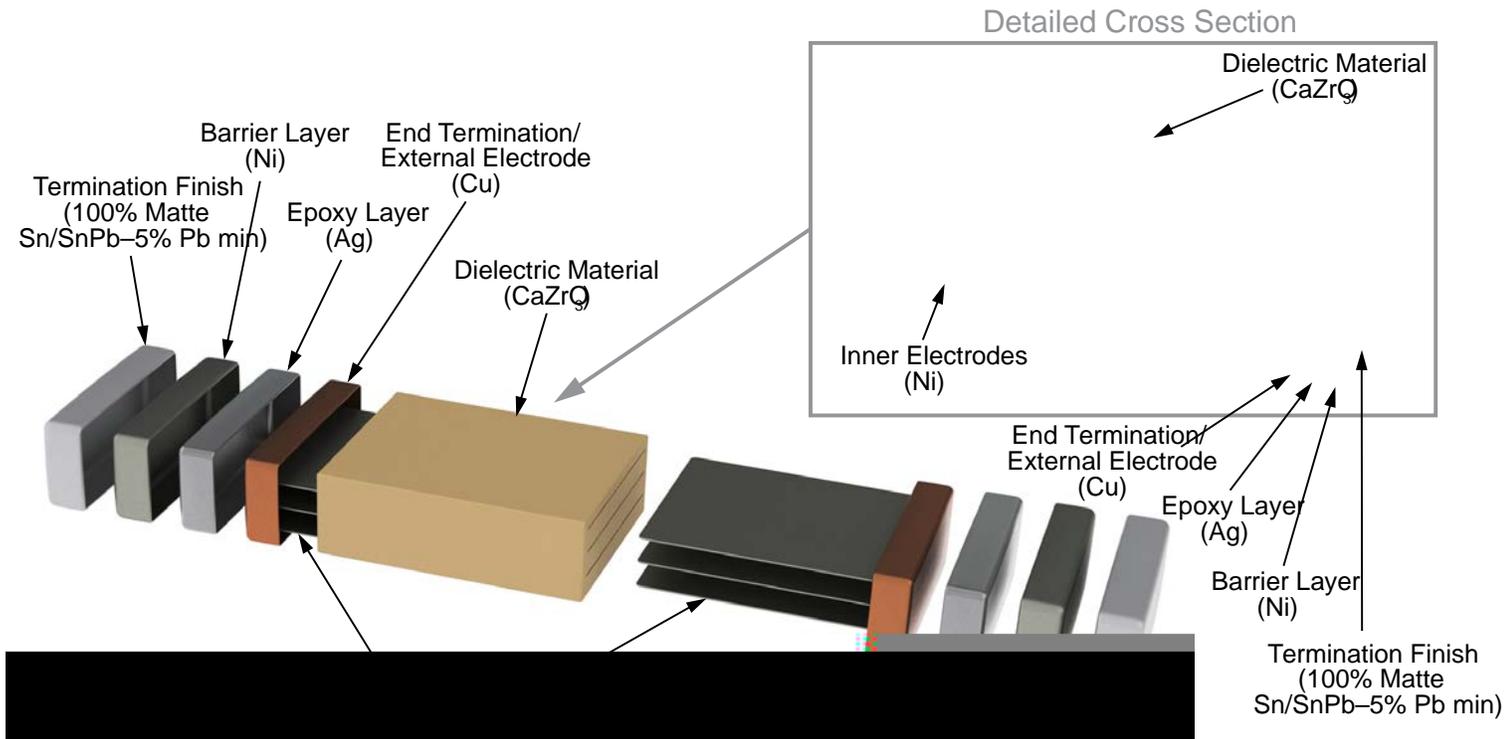


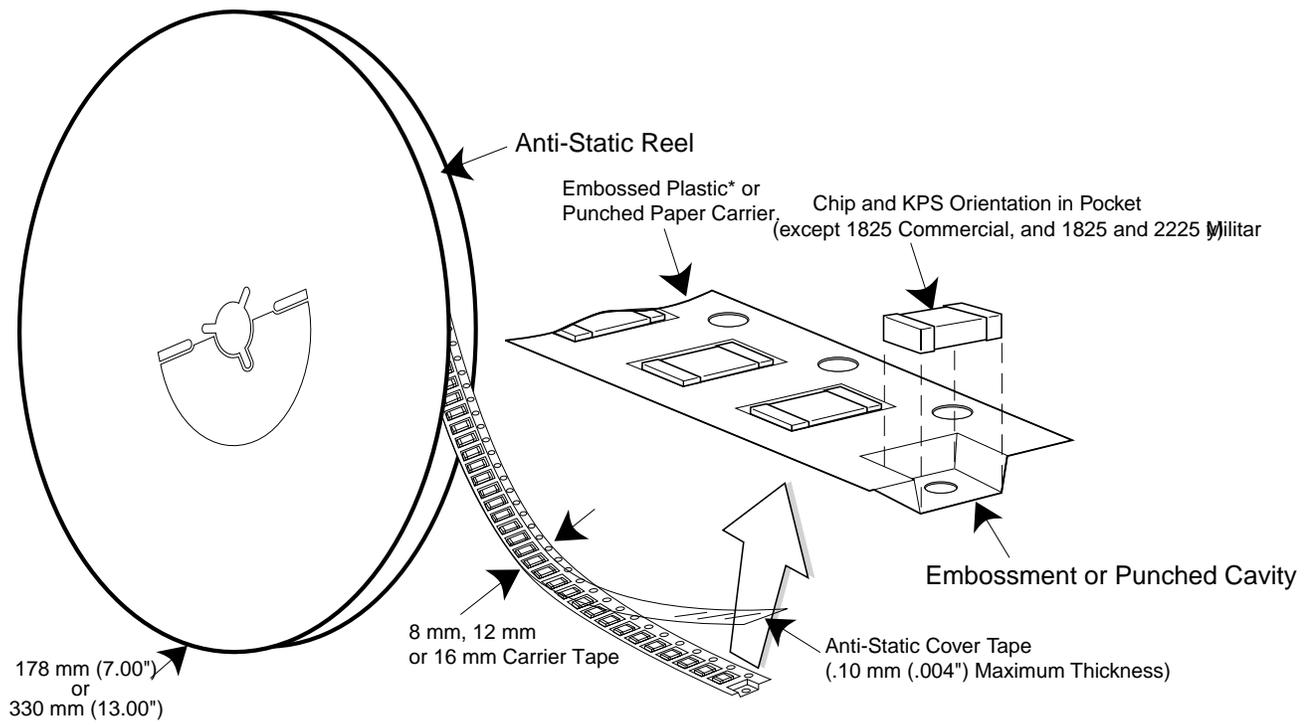




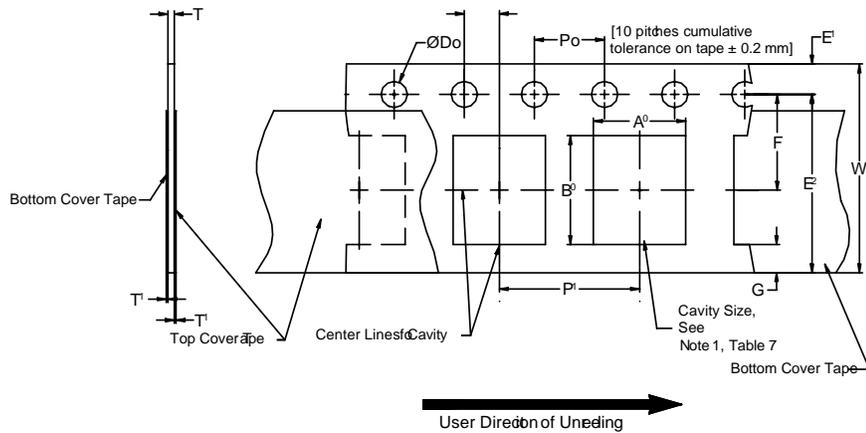
		Magnification 50 X. Conditions:
		1,000 cycles (-55°C to +125°C). Measurement at 24 hours +/-4 hours after test conclusion.
		Measurement at 24 hours +/-4 hours after test conclusion.
		Measurement at 24 hours +/-4 hours after test conclusion.
		t = 24 hours/cycle. Steps 7a and 7b not required. Measurement at 24 hours +/-4 hours after
		-55°C/+125°C. Note: Number of cycles required – 300. Maximum transfer time – 20

storage humidity not exceed 70% relative humidity. Temperature fluctuations should be minimized to avoid condensation on





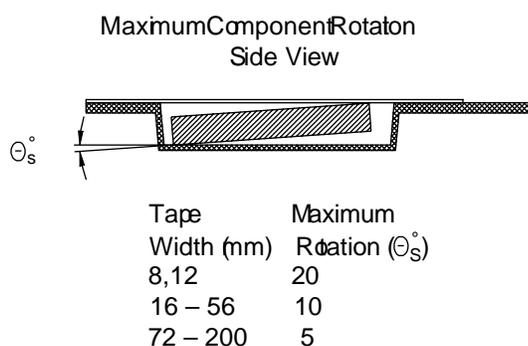
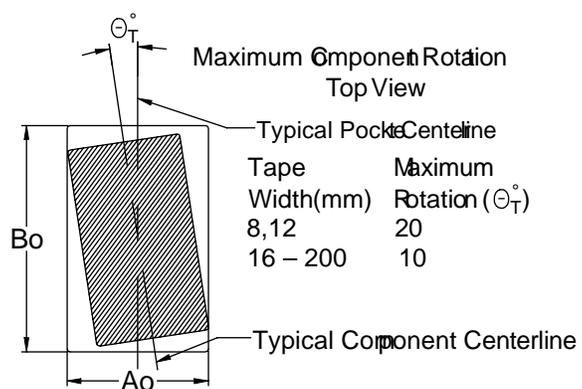




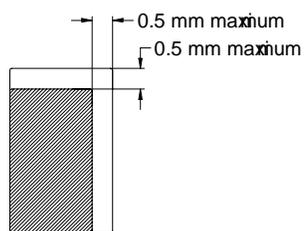

1. The cavity defined by  $A_0$ ,  $B_0$  and  $T$  shall surround the component with sufficient clearance that:
  - a) the component does not protrude beyond either surface of the carrier tape.
  - b) the component can be removed from the cavity in a vertical direction without mechanical restriction, after the top cover tape has been removed.
  - c) rotation of the component is limited to  $20^\circ$  maximum (see Figure 3).
  - d) lateral movement of the component is restricted to 0.5 mm maximum (see Figure 4).
  - e) see Addendum in EIA Standard 481 for standards relating to more precise taping requirements.


Standards 556 and 624

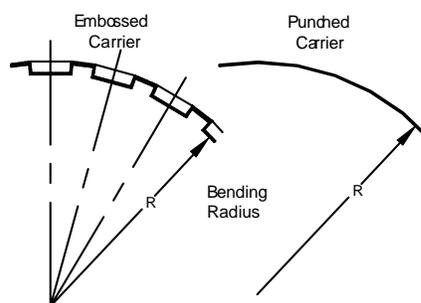
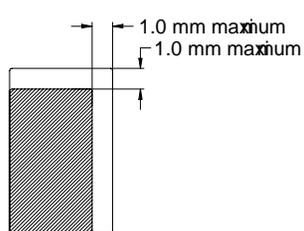
Refer to EIA

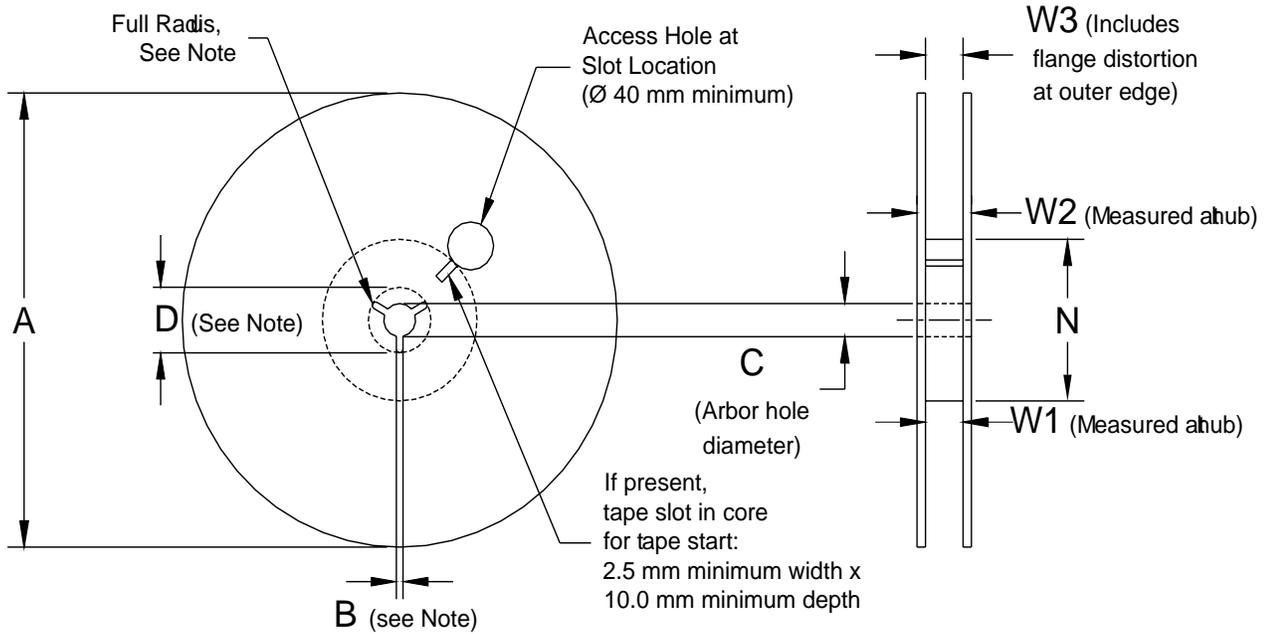


8 mm & 2 mm Tape

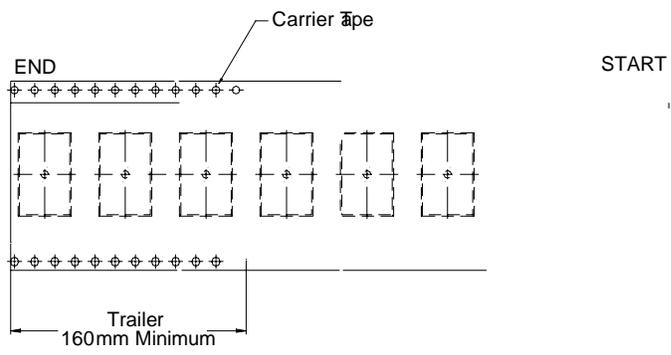


16 mm Tape





Note: Drive spokes optional; if used, dimensions B and D shall apply.

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applications, but are not intended to constitute – and KEMET specifically disclaims – any warranty concerning suitability for a specific customer application or use.